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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	09/945,326
Filing Date	August 31, 2001
First Named Inventor	Meyers, Rachel E.
Title	62112, A NOVEL HUMAN DEHYDROGENAS
Art Unit	1642
Examiner Name	Yu, Misook
Attorney Docket Number	MPI00-344P1RRCEM

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners associated with the Customer Number:

30405

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

30405

OR

☐ Firm or  
Individual Name

Address

City

State

Zip

Country

Telephone

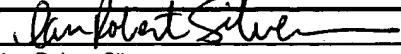
Email

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

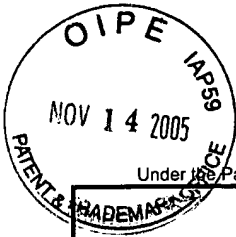
Signature		Date	November 9, 2005
Name	Ian Robert Silverman	Telephone	617-551-8604
Title and Company	Associate General Counsel. Millennium Pharmaceuticals, Inc.		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Millennium Pharmaceuticals, Inc.Application No./Patent No.: 09/945,326 Filed/Issue Date: August 31, 2001Entitled: 62112, A NOVEL HUMAN DEHYDROGENASE AND USES THEREOFMillennium Pharmaceuticals, Inc., a a Delaware corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 012557, Frame 0362, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Ian Robert Silverman

Signature

November 9, 2005

Date

Ian Robert Silverman

Printed or Typed Name

617-679-7366

Telephone Number

Associate General Counsel

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



REC'D M. - 6 2002

APRIL 08, 2002

Chief Information Officer  
Washington, DC 20231  
www.uspto.gov

LAHIVE & COCKFIELD, LLP  
AMY E. MANDRAGOURAS, ESQ.  
28 STATE STREET  
BOSTON, MA 02109



\*101980875A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/29/2002

REEL/FRAME: 012557/0362  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MEYERS, RACHEL

DOC DATE: 10/26/2001

ASSIGNOR:

HUNTER, JOHN JOSEPH

DOC DATE: 10/24/2001

ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC.  
75 SIDNEY STREET  
CAMBRIDGE, MASSACHUSETTS 02139

SERIAL NUMBER: 09945326  
PATENT NUMBER:

FILING DATE: 08/31/2001  
ISSUE DATE:

SHARON LATIMER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

R



HEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1.) Rachel Meyers
- 2.) John Joseph Hunter

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other \_\_\_\_\_

Execution Date: 1. 10/26/01 2.) 10/24/01

2. Name and address of receiving party(ies)

Name: Millennium Pharmaceuticals, Inc.

Internal Address: \_\_\_\_\_

Street Address: 75 Sidney Street

City: Cambridge State: MA ZIP: 02139

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)  
09/945,326

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Amy E. Mandragouras, Esq.

Internal Address: Lahive & Cockfield, LLP

Street Address: 28 State Street

City: Boston State: MA ZIP: 02109

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41).....\$ \$40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

12-0080

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Maria C. Laccotripe

Name of Person Signing

Maria C. Laccotripe  
Signature

1/8/02  
Date

Total number of pages including cover sheet, attachments, and document:

5

Mail documents to be recorded with required cover sheet information to:  
Box Assignment, Director - U.S. Patent and Trademark Office  
Washington, D.C. 20231

02/12/2002 TDIAZI 00000173 09945326

01 FC:581

40.00 OP

ASSIGNMENT

We, Rachel Meyers of Newton, MA and John Joseph Hunter of Somerville, MA, in consideration of One Dollar and other valuable consideration paid to us by

**Millennium Pharmaceuticals, Inc.**

a corporation of Delaware, having its principal place of business at 75 Sidney Street, Cambridge, MA 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

**Millennium Pharmaceuticals, Inc.**

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

**62112, A NOVEL HUMAN DEHYDROGENASE AND USES THEREOF**

described in an application

☐ executed by us of even date herewith and about to be filed

☒ Serial No. 09/945,326, filed on August 31, 2001

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 26 day of OCT, 2001.

By: X Rachel Meyers  
Rachel Meyers

State of Massachusetts )  
County of Middlesex ) ss

Then personally appeared the above named Rachel Meyers and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 26<sup>th</sup> day of October, 2001.

Ann Sherry  
Notary Public ANN SHERRY

My commission expires: 4/19/07

WITNESS my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2001.

By: \_\_\_\_\_  
**John Joseph Hunter**

State of Massachusetts     )  
  ) ss  
County of                         )

Then personally appeared the above named John Joseph Hunter and acknowledged the foregoing instrument to be his/her free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

**ASSIGNMENT**

We, Rachel Meyers of Newton, MA and John Joseph Hunter of Somerville, MA, in consideration of One Dollar and other valuable consideration paid to us by

**Millennium Pharmaceuticals, Inc.**

a corporation of Delaware, having its principal place of business at 75 Sidney Street, Cambridge, MA 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

**Millennium Pharmaceuticals, Inc.**

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

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described in an application

☐ executed by us of even date herewith and about to be filed

☒ Serial No. 09/945,326, filed on August 31, 2001

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2001.

By: \_\_\_\_\_  
**Rachel Meyers**

State of Massachusetts       )  
  ) ss  
County of                        )

Then personally appeared the above named Rachel Meyers and acknowledged the foregoing instrument to be his/her free act and deed, before me, this \_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
Notary Public

My commission expires:

WITNESS my hand and seal this 24<sup>th</sup> day of October, 2001.

By: X John J Hunter  
John Joseph Hunter

State of Massachusetts     )  
  ) ss  
County of Middlesex     )

Then personally appeared the above named John Joseph Hunter and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 24<sup>th</sup> day of October, 2001.

Ann Sherry  
Notary Public     (ANN SHERRY)

My commission expires: 4/19/07